



Product Evaluation

WIN1997 | 0515

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-1997

Effective Date: May 1, 2015

Re-evaluation Date: May 2016

Product Name: Series 65/265 Vinyl Double-Hung Windows, New and Replacement Construction, Individual, Impact Resistant

Manufacturer: Atrium Windows & Doors
9001 Ambassador Row
Dallas, TX 75247
(214) 637-2696

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 65/265 Vinyl, Double-Hung Windows; (FIN) Impact, New Construction; (X/X)	LC-PG50 (36 X 74) H AAMA 506 Missile Level D	+50 / -50 psf
2	Series 65/265 Vinyl, Double-Hung Windows; (FINLESS) Impact; Replacement Construction; (X/X)	LC-PG50 (36 X 74) H AAMA 506 Missile Level D	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Interior Sash Glass Daylight Opening Size	Operable Exterior Sash Glass Daylight Opening Size
1, 2	36" x 74"	28-7/16" x 32-5/8"	28-1/2" x 32-1/2"

Product Identification (Certification Label on Window):

System		
1, 2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	ADW-8
	Product Name	Series 65/265 IMPACT DH (Model E31)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1, 2	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

System		
1 (FIN)	Type of Installation	New Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension Lumber
	Fasteners (Nail Fin)	Minimum No. 8 x 1-5/8" pan head screws
	Fasteners (Window Frame)	Minimum No. 10 x 2-1/2" wood screws
	Fastener Location/Spacing	Drive fasteners through the nail fin perimeter at 2" from each corner centerline and then every 8" thereafter. Drive one fastener through the window head at the midpoint of the head.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
2 (NO FIN)	Type of Installation	Replacement Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension Lumber
	Fasteners (Window Frame)	Minimum No. 10 x 2-1/2" wood screws
	Fastener Location/Spacing	Drive one fastener through the window head at the midpoint of the head. Drive two fasteners through each window jamb at 4" from each window frame corner. Thereafter, drive fasteners through the jamb at 20" on center (maximum).
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.